

Remarks

Claim 27 is canceled. Claims 1-8, 17-26, 28 and 31-32 are now pending. Claims 1, 17 and 28 are amended for clarity.

The Examiner rejected Claims 1, 4-8, 17, 20-22, 25-28 and 31-32 under 35 U.S.C. § 102(b) as being anticipated by the U.S. Patent 5,864,753 ("Morita"). With respect to Claims 1 and 17 the Examiner states:

Regarding claims 1 and 17, Morita discloses a radio receiving system and a method of tuning a mobile radio system comprising: (see Fg. 1), a location unit (navigation unit 26), a wireless interface to a wide area network (communication unit 18), a frequency selection unit coupled to receive a current location from the location unit (see col. 2, lines 32-37), in response to a change in signal reception condition corresponding to a change in the strength of the radio signal then being received falling below a predetermined value (user obtaining data concerning a new radio station by sending his current position to the base station when the base station travels to a new area where the previously identified radio station is not accessible, col. 2, lines 38-43), wherein the frequency selection unit retrieves over the wireless interface, tuning data representing a set of frequencies of broadcast signals that can be received at the current location from a data storage system associated with a server on the wide area and further selects a frequency from the set of frequencies of broadcast signals in the tuning data retrieved (see col. 4, lines 24-30), the tuning data retrieved having been filtered according to a previously determined set of selection criteria based on user content preferences (controller providing base station with request messages as sequential data reflecting the plurality of programs the driver wants to listen to, see col. 4, lines 9-24), and a radio receiver coupled to receive the selected frequency from the frequency selection unit and tunes to receive the broadcast signal at the selected frequency (see col. 4, lines 30-39).

Applicant respectfully traverses the Examiner's rejection. As amended, Claims 1 and 17 now recite that the frequency selection responds to change in signal strength received by the radio receiver:

1. A radio signal receiving system comprising:

a location unit;

a wireless interface to a wide area network;

a radio receiver tuned to receive a broadcast signal based on a selected frequency provided as input to the radio receiver; and

a frequency selection unit coupled to receive a current location from the location unit wherein, in response to a change in strength in the broadcast signal received by the radio receiver, the frequency selection unit (1) retrieves, over the wireless interface, tuning data representing a set of frequencies of broadcast signals that can be received at the current location from a data storage system associated with a server on the wide area network, the tuning data retrieved having been filtered according to a previously determined set of selection criteria based on user content preferences, and (2) further selects a frequency from the set of frequencies of broadcast signals in the tuning data retrieved and provides the selected frequency as input to the radio receiver.

* * *

17. A method of tuning a mobile radio system, comprising the acts of:

receiving from a location unit location information that identifies a current position of the system;

in response to a change in strength in a broadcast signal received at a radio receiver, retrieving over a wireless interface to a wide area network tuning data representing a set of frequencies of broadcast signals that can be received at the current location from a data storage system associated with a server on the wide area network, the tuning data having been filtered according to a previously determined selection criteria based on user content preferences;

in a frequency selection unit, further selecting a particular frequency from the tuning data retrieved; and

using the particular frequency to tune the radio receiver to receive the broadcast signal at the particular

frequency.

(emphasis added)

As explained in Applicant's Specification at page 8, lines 23-31, selecting a new frequency in response to received signal strength allows a listener to continue to receive his desired content without interruption, as the listener travels from one station's area of coverage to another. Morita does not teach responding to the signal strength at the receiver. In fact, to the contrary, Morita specifically teaches, at col. 4, lines 9-15, that a change in station is prompted by area information and current position data:

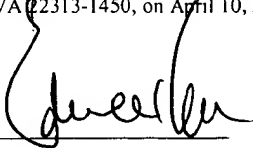
When the controller 14 determines that the vehicle 100 is not running in an area where the desired program is receivable, on the basis of area information from the base station 200 and the current position data from the navigation unit 20, the radio station tuning system may be configured such that it automatically has access to a nearest base station unless the driver does not input a new request.

Thus, Morita does not teach or suggest responding to received signal condition, as recited in Applicant's Claims 1 and 17. Thus, Applicant respectfully submits that Claims 1 and 17, and therefore dependent Claims 4-8, 20-22, 25-26, 28 and 31-32 are each allowable over Morita. Reconsideration and allowance of Claims 1, 4-8, 20-22, 25-26, 28 and 31-32 are therefore requested.

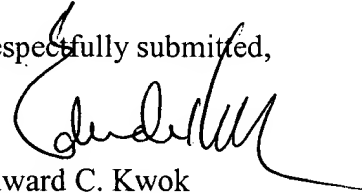
The Examiner rejected Claims 2-3, 18-19 and 23-24 under 35 U.S.C. § 103(a) as being unpatentable over Morita, as applied to Claims 1 and 17 above, in further view of U.S. Patent 6,374,177 ("Lee"). Applicant respectfully traverses the Examiner's rejection. Claims 2-3, 18-19 and 23-24 each depend from Claims 1 and 17, respectively. As automatic frequency reselection in response to received signal strength is believed neither disclosed nor suggested by Lee, Claims 2-3, 18-19 and 23-24 are each believed allowable over the combined teachings of Morita and Lee for at least the reason set forth above with respect to Claims 1

and 17. Reconsideration and allowance of Claims 2-3, 18-19 and 23-24 are therefore requested.

All pending claims (i.e., Claims 1-8, 17-26, 28 and 31-32) are believed allowable over the art of record. If the Examiner has any question regarding the above, the Examiner is respectfully requested to telephone the undersigned Attorney for Applicant at 408-392-9250.

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on April 10, 2006.	
	4/10/2006
Attorney for Applicant(s)	Date of Signature

Respectfully submitted,



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